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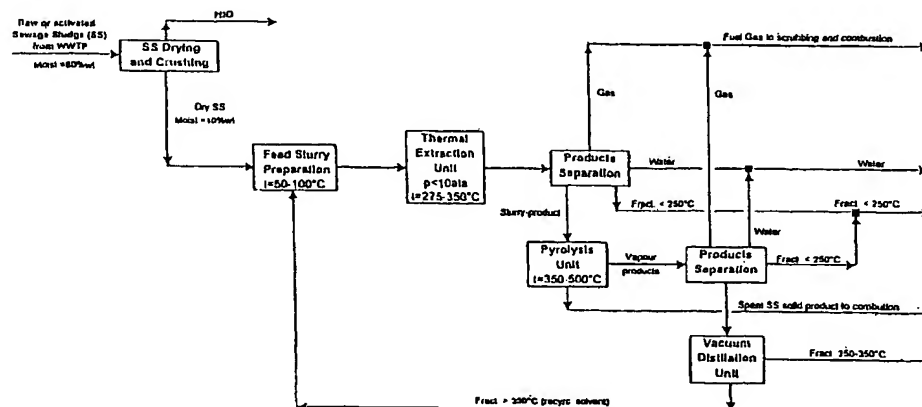
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(54) Title: A PROCESS FOR TREATMENT OF ORGANIC WASTE IN PARTICULAR SEWAGE SLUDGE



(57) Abstract: The invention provides a multi-stage process for the treatment of organic waste comprising drying said waste to reduce the water content to below 15%; subjecting said dried waste to a thermochemical liquefaction process in the presence of a recirculating solvent medium at a temperature of about 275°C to 375°C and a pressure of up to 10 atmospheres (step B), thereby obtaining gaseous, liquid and solid products; separating the formed slurry product from condensable gas, water and other liquid fractions boiling out at up to 250°C; transferring said slurry product obtained from thermal extraction from step c to a pyrolysis apparatus and treating the same at a temperature of about 350°C to 500°C to cause additional thermal destruction of unconvertible organic matter of feed material and heavy liquid fractions obtained in step c and their evaporation and removal from pyrolysis apparatus; separating vapor products from condensable oil products; vacuum distillation of the oil products for the removal of fractions having a boiling temperature of between 250°C and 350°C; and recirculating solvent medium for step b.

INTERNATIONAL SEARCH REPORT

Inte Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C02F11/10 C10G1/04 C10B53/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C02F C10G C10B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 618 735 A (BRIDLE TREVOR R ET AL) 21 October 1986 (1986-10-21) cited in the application the whole document	1,4,8
A	GB 1 596 483 A (EXXON RESEARCH ENGINEERING CO) 26 August 1981 (1981-08-26) page 2 -page 3	1
A	US 5 114 541 A (BAYER ERNST) 19 May 1992 (1992-05-19) cited in the application the whole document	1,4,5,8

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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